

Supplementary Table 1. Demographics and clinical characteristics of PD patients

Characteristics	Value (n=64)
Age (yr)	68.35±9.34
Sex, male/female	23/41
Disease duration (yr)	4.79±4.98
MDS-UPDRS 1	6.27±2.30
MDS-UPDRS 2	5.88±3.90
MDS-UPDRS 3	26.63±11.34
LEDD (mg/day)	381.15±454.10
COP oscillations	
Mean COP oscillation (AP axis, cm)	2.22±0.96
Mean COP oscillation (RL axis, cm)	2.07±1.04
Turning related parameters from video analysis	
Number of turns	10.86±1.70
Time required for turning (s)	1.49±0.12
Variability of mean turning time	0.21±0.09
Number of steps required for turning	3.09±0.27
Variability of number of steps for turning	0.39±0.07
Step base during turning (m)	0.08±0.02
Variability of step base during turning	0.69±0.15
Step length during turning (m)	0.24±0.06
Variability of step length during turning	0.62±0.10
Turning velocity (m/s)	0.38±0.11

All scores are shown as the mean±standard deviation or as numbers only. PD, Parkinson disease; MDS-UPDRS, Movement Disorders Society-Unified Parkinson Disease Rating Scale; LEDD, levodopa equivalent daily dose; COP, center of pressure; AP, anteroposterior; RL, right-left; s, second; m, meter; m/s, meter/second.